

13281 U.S. PTO
08/19/03

Atty. Dkt. No. 069974-0140

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTOR(S): **Masahiro IWADARE**

Title: **FAST CALCULATION
APPARATUS FOR CARRYING
OUT A FORWARD AND AN
INVERSE TRANSFORM**

Original Patent Number: **5,218,561**

Original Patent Issue Date: **June 8, 1993**

Examiner: **To be determined**

Art Unit: **To be determined**

03970 U.S. PTO
10/642968
08/19/03

REISSUE PATENT APPLICATION TRANSMITTAL

Sir:

Transmitted herewith for filing under 37 C.F.R. § 1.173 is an application for reissue of Utility Patent as identified above:

**Masahiro IWADARE
c/o NEC Corporation
7-1, Shiba 5-chome
Minato-ku, Tokyo, Japan**

In connection with this application, the following documents are enclosed:

- Specification and Claims, in double column copy of format;
- Drawing Transmittal with 7 sheets (Figs. 1-7 attached);
- Reissue Oath/Declaration Under 37 C.F.R. § 1.175
- English Translation Document of Reissue Oath/Declaration (if applicable)
- Offer to Surrender Original Patent (37 CFR § 1.178)
- Written Consent of Assignee to reissue application
- 37 CFR §3.73(b) Statement

- Statement of status and support for all changes to the claims (37 CFR §1.173(c))
- Foreign Priority Claim (35 USC 119)
- Preliminary Amendment and 37 C.F.R. 1.173(c) Statements
- Information Disclosure Statement with Form PTO-SB08 with copies of 8 listed references;
- Application Data Sheet (37 CFR 1.76) (3 pages)
- Return Receipt Postcard (MPEP §503)
- Applicant Claims Small Entity Status
- Notice of Litigation and Request for Special Dispatch under 37 C.F.R. § 1.607(b)

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Fee Calculations: including Amendments to claims. (Small entity fees indicated in parentheses.)

| Reissue Application Fee Form | | | | | Docket Number (Optional) | | | |
|-------------------------------------|--|-------------------------------------|--|--------------------------|--------------------------|---------------------------|---------------------------|-----|
| Claims as Filed - Part I | | | | | | | | |
| Claims In Patent | | Number Filed in Reissue Application | (3) Number Extra | Small Entity | | Other than a Small Entity | | |
| | | | | Rate | Fee | Rate | Fee | |
| (A) 12 (C) 2 | Total Claims (37 CFR 1.16(j)) Independent Claims (37 CFR 1.16(j)) | (B) 29 (D) 4 | 17 | x \$ ____ = \$ ____ | | or | 0 x \$ ____ = \$0 | \$0 |
| | | | 2 | x \$ ____ = \$ ____ | | | 0 x \$ ____ = \$0 | \$0 |
| Basic Fee (37 CFR 1.16(h)) \$ | | | | | | OR | \$750.00 | |
| Total Filing Fee \$ | | | | | | | \$750.00 | |
| Claims as Filed - Part 2 | | | | | | | | |
| | (1) Claims Remaining After Amendment | | (2) Highest Number Previously Paid for | (3) Extra Claims Present | Small Entity | | Other than a Small Entity | |
| | | | | | Rate | Fee | Rate | Fee |
| Total Claims (37 CFR 1.16(j)) | ****29 | MINUS | **20 | *9 = | X \$ 18 = | | x \$162.00 = | |
| Independent Claims (37 CFR 1.16(j)) | ****4 | MINUS | *****3 | 1 = | X \$ 84 = | | x \$84.00 = | |
| Total Additional Fee \$246.00 | | | | | | \$ | OR | |

* If the entry in (D) is less than the entry in (C), Write "0" in column 3.

** If the "Highest Number of Total Claims Previously Paid for" is less than 20, Write "20" in this space.

*** After any cancellation of claims.

**** If "A" is greater than 20, use (B-A); if "A" is 20 or less, use (B-20).

***** "Highest Number of independent Claims Previously Paid For" or Number of independent Claims in Patent (C).

METHOD OF PAYMENT:

A check in the amount of \$996.00 to cover the filing fee is enclosed.

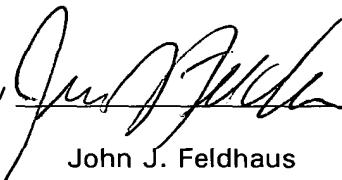
The required filing fees are not enclosed but will be submitted in response to the Notice to File Missing Parts of Application.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing,

the Commissioner is authorized to charge the unpaid amount to Deposit
Account No. 19-0741.

Please direct all correspondence to the undersigned attorney or agent at the
address indicated below.

Respectfully submitted,

By 

John J. Feldhaus

Attorney for Applicant
Registration No. 28,822

Date: August 19, 2003

FOLEY & LARDNER
Customer Number: 22428



22428

PATENT TRADEMARK OFFICE

Telephone: (202) 672-5300
Facsimile: (202) 672-5399

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTOR(S): **Masahiro IWADARE**

Title: **FAST CALCULATION
APPARATUS FOR CARRYING
OUT A FORWARD AND AN
INVERSE TRANSFORM**

Original Patent Number: **5,218,561**

Original Patent Issue Date: **June 8, 1993**

Examiner: **To be assigned**

Art Unit: **To be assigned**

**CONSENT OF ASSIGNEE TO APPLICATION FOR REISSUE OF
U.S. PATENT NO. 5,218,561**

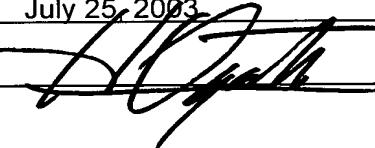
Commissioner for Patents
Box: REISSUE PATENT APPLICATION
Alexandria, Virginia 22313-1450

Dear Sir:

NEC Corporation, assignee of U.S. Patent No. 5,218,561, hereby consents to the accompanying application for reissue of U.S. Patent No. 5,218,561.

NEC CORPORATION

Date: July 25, 2003

By: 

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Masahiro IWADARE

Title: FAST CALCULATION
APPARATUS FOR CARRYING OUT
A FORWARD AND AN INVERSE
TRANSFORM

Appl. No.: Application for reissue of U.S.
Patent No. 5,218,561, granted
June 8, 1993

Examiner: Unassigned

Art Unit: Unassigned

TRANSMITTAL OF FORMAL DRAWINGS

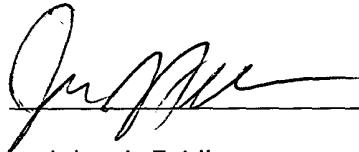
Commissioner for Patents
PO Box 1450
Alexandria, Virginia 22313-1450

ATTENTION: DRAWING REVIEW BRANCH

Sir:

Transmitted herewith are the formal drawings (7 sheets, Figures 1-7) for the above-identified application. The Official Draftsperson is respectfully requested to approve these drawings for entry into the application.

Respectfully submitted,

By: 
John J. Feldhaus
Attorney for Applicant
Registration No. 28,822

Date: August 19, 2003

FOLEY & LARDNER
Customer Number: 22428



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